Installation and operating instructions

for NoFrost combined refrigerator-freezers for integrated use

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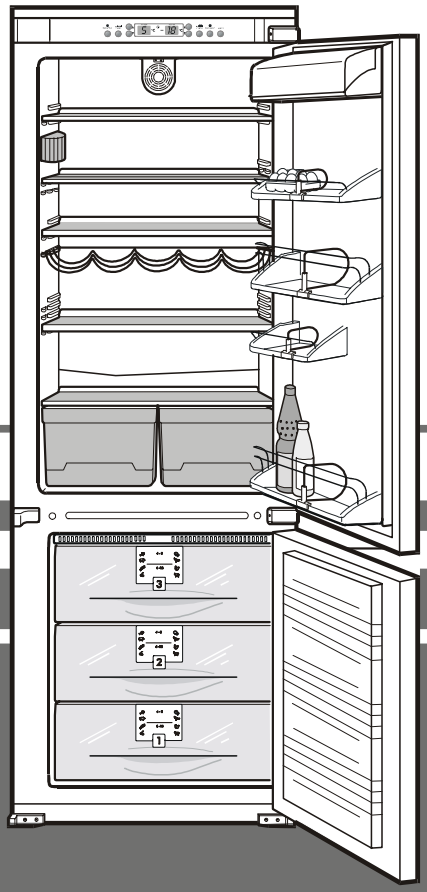

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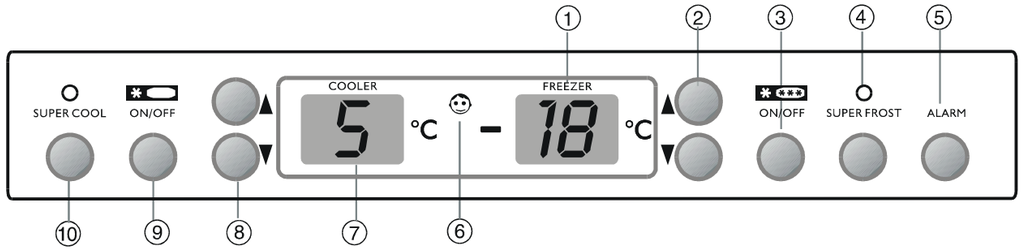

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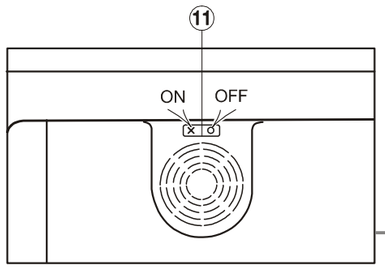

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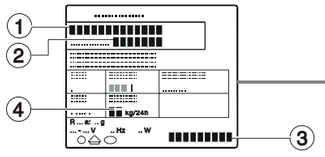

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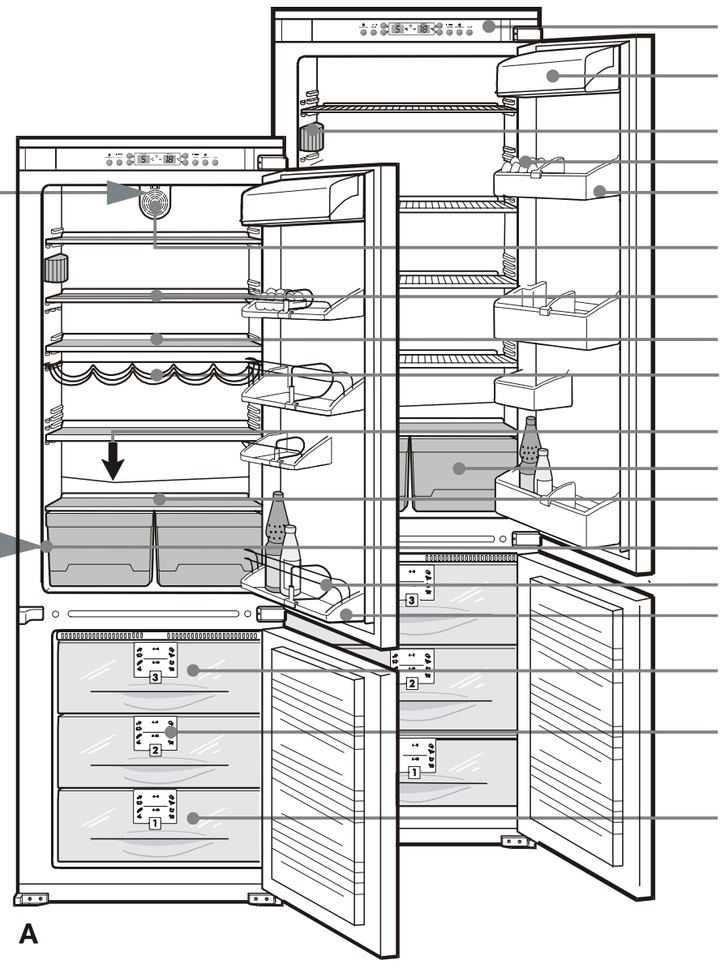


A

The appliance at a glance

Operating and control elements, fig. A1

Freezer

① Temperature display and setting display
② Temperature buttons: top button = higher, bottom button = lower, recommended setting: -18°C
③ Main on/off switch
④ SuperFrost button with LED indicator showing active function
⑤ Audible warning on/off button

Refrigerator

⑥ Child-proof lock (refrigerator and freezer display)
⑦ Temperature display and setting display
⑧ Temperature buttons: top button = higher, bottom button = lower, recommended setting: 5°C
⑨ Refrigerator off button (freezer remains on)
⑩ SuperCooling button with LED indicator showing active function
⑪ Fan with rocker switch*

Description of appliance and equipment, fig. A

Refrigerator, approx. 5°C

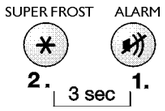
Operating and control elements
Butter and cheese compartment
Interior light
Egg tray*
Adjustable-height jar rack*
Fan with rocker switch*
Sectioned* shelf
Adjustable* storage shelves
Space-saving bottle shelf*
Defrost drain
Vegetable, salad and fruit bins
Coldest area of the refrigerator compartment, suitable for cold-sensitive and highly perishable foods
Type/Data plate
Adjustable bottle holder*
Door rack for large bottles

Freezer, approx. -18°C

Freezer tray*, cold-storage accumulator*
Drawers with information system*
Ice-cube tray*

Child-proof lock ⑥

Prevents the appliance from being switched off accidentally.



- Hold down the audible warning on/off button and then press the SuperFrost button and keep *both* buttons pressed for about 3 seconds. A short double beep will sound and the display ⑥ will light up; the child-proof lock is now active.
- To switch off: press this key combination again; the display will go off.

SuperCooling

For fast cooling of food in refrigerator:
- Press the SuperCooling button ⑩ briefly so that the LED comes on: the function is now switched on.
- Switches off automatically after approx. 6 hours.

Cooling with fan*

For generating even temperatures on all of the shelves. Recommended in the following situations:
- when the room temperature is high (approx. 30°C or higher) or
- if the air humidity is high, e.g. during the summer.
- Press fan switch ⑪.

SuperFrost

For fast freezing of fresh food:
- Press the SuperFrost button ④ briefly so that the LED comes on.
- The freezer will take approx. 6 - 24 hours to reach its lowest temperature.
- Place the fresh food in the top drawers.

- The SuperFrost function is switched off **as required**. The freezer will switch back automatically to normal operation.

nR /FrostControl display

This means that the freezing temperature has risen too *high* during the last few hours or days due to a power failure. Check the quality of the food.

Type/Data plate, fig. A2

① Type designation
② Service number
③ Appliance number
④ Freezing capacity in 24 hours

* Depending on model and options

Congratulations on your purchase. In choosing this appliance you have opted for all the benefits of state-of-the-art refrigeration technology, guaranteeing you top quality, a long life span and excellent reliability.
The features on your appliance have been designed to ensure maximum convenience - day in, day out.
This appliance has been manufactured with recyclable materials using an environmentally friendly process, so together you and we are making an active contribution to the preservation of our environment.
To get to know all the benefits of your new appliance, please read the information contained in these operating instructions carefully.
We wish you much pleasure with your new appliance.

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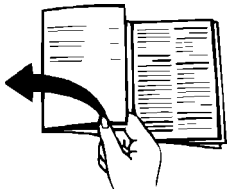


Before reading, please fold out and refer to the illustrated front page.

Keep these operating instructions in a safe place and pass them on to the next owner, where applicable.

The operating instructions apply to several models. Differences may therefore occur.

Notes on energy saving

- Ensure that there is adequate space around the appliance for ventilation and air extraction.
- Avoid keeping the door open for too long.
- Store food logically. Do not exceed the storage period specified.
- Keep all food properly packed and covered so as to avoid its frosting up on the outside.
- Always allow hot food to cool to room temperature before placing in the appliance.
- Defrost frozen food in the refrigerator.
- Keep the appliance door shut in the event of a breakdown. This will delay the cold loss and will help to maintain the quality of the frozen food for longer.

Safety instructions and warnings

Disposal notes

The packaging is designed to protect the appliance and individual components during transport and is made of recyclable materials.

- Corrugated board/board
- Moulded polystyrene (foamed, CFC-free polystyrene)
- Polythene bags and sheets
- Polypropylene straps

- **Keep packaging materials away from children - polythene sheets and bags can suffocate!**
- Please return the packaging material to your nearest official collection point so that the various materials can be reused or recycled as far as possible.

Your old appliance:
This contains some reusable materials and should not simply be disposed of with household or bulk refuse.

- Disable discarded appliances immediately by removing the plug and cutting through the connection cable. **Remove the spring-action or bolt catch from the appliance or render it unusable so that children cannot become trapped inside and suffocate.**
- Ensure that the refrigerant circuit is not damaged before the appliance that is no longer needed is taken away for disposal. In this way the refrigerant or oil will not escape into the environment.
- Exact details of the refrigerant used can be found on the type plate. The heat insulator is PU with Pentane.
- Information on collection dates or collection points can be obtained from the waste disposal authorities or local council.

Technical safety

- To prevent injury or damage to the unit, the appliance should only be transported wrapped and set up by two people.
- The refrigerant R 134a

- Do not damage the refrigerant circuit pipes. Splashes of refrigerant can harm your eyes or ignite.
- If refrigerant escapes, remove all naked flames or sources of ignition in the vicinity of the leak, disconnect the appliance from the mains and ventilate the area well.
- In the event that the appliance is damaged, contact the supplier immediately before connecting to the mains.
- To guarantee safe operation, ensure that the appliance is set up and connected as described in these operating instructions.
- Disconnect the appliance from the mains if any fault occurs. Pull out the plug (not by pulling on the mains cable) or switch off or remove the fuse.
- **Any repairs and work on the appliance should only be carried out by the customer service department, as unauthorised work could prove highly dangerous for the user.** The same applies to changing the mains power cable.

Safety during use

- Do not store explosives or sprays using combustible propellants such as butane, propane, pentane, etc. in the appliance. Electrical components might cause leaking gas to ignite. You can identify such sprays by the printed contents or a flame symbol.
- Only store high-percentage alcohol in tightly sealed, upright containers.
- Do not allow naked flames or ignition sources to enter the appliance.
- Do not use electrical appliances inside the appliance (e.g. steam cleaners, heaters).
- The appliance is not intended for use by young children or infirm persons without supervision.
- Do not stand on the plinth, drawers or doors or use them to support anything else.
- Do not let children play with the appliance, e.g. do not allow them to sit in the drawers or swing on the door.
- Do not eat ice-cream, particularly ice lollies or ice-cubes, immediately after taking them from the freezer compartment as there is a risk of "burning" because of the very cold temperatures.
- Do not consume food which has been stored for too long, as it could cause food poisoning.

Installation and ventilation information

- When setting up or fitting ensure that the refrigerant circuit pipes are not damaged.
  - **Do not block the ventilation areas. Always ensure that the appliance is properly ventilated.**
  - Standard EN 378 specifies that the room in which you install your appliance must have a volume of 1 m^3 per 8 g of R 134a refrigerant used in the appliance,

  The quantity of refrigerant used in your appliance is indicated on the type plate on the inside of the appliance.
- Refer to the appendix in the installation instructions.
- Following installation: Remove all transportation safety components.
- Remove sticky tape or spacers* from shelves and insert shelves in the required position.
- Remove all protective film: from the decorative trims and drawer fronts.

Connecting to the mains

Power supply (AC) and voltage
at the operating point must comply with the details on the type plate. The type plate is located on the inside left of the appliance, fig. **A2**.

- **The appliance must be connected with a properly installed fused socket.**

- The socket must have a 10 A fuse or higher. It must be away from the back of the appliance and easily accessible.
- *Do not*

- connect to stand-alone inverters,
- operate with so-called energy-saving plugs - this can damage the electronic system,
- connect to the supply with other equipment using an extension cable - risk of overheating.

- When removing the mains cable from the back of the appliance, remove the *cable holder* to prevent vibration noise.

The wires in the mains lead are coloured in accordance with the following code: green/yellow = earth, White = neutral, Black= live.
Warning! This appliance must be earthed.

Non-rewireable plugs BS 1363
If this machine or appliance is fitted with a non-rewireable plug, the following information applies: If the socket outlets are not suitable for the plug supplied with this product, it must be cut off and an appropriate plug fitted. The plug cut from the flexible cord should be disposed of and on no account be inserted into a 13 A socket elsewhere in the house (electric shock hazard).
The fuse cover **must** be re-fitted when changing the fuse, and if the fuse cover is lost the plug **must not** be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of the plug fitted). The correct rating of the replacement fuses that are ASTA approved to BS 1362 should be fitted. Replacement fuse covers may be purchased from your local electrical suppliers, electricity showroom or approved service agent.

Operation and control elements

Safety regulations

- The appliance is designed to cool, freeze and store food and to make ice. It is designed as a household appliance. If used commercially, the relevant regulations on commercial use must be observed.
- The appliance is set to operate within specific ambient temperature limits according to its climate rating. These temperature limits should not be exceeded. The correct climate rating for your appliance is indicated on the type plate. This is explained as follows:

Climate rating	Set for ambient temperatures of
SN	+10°C to +32°C
N	+16°C to +32°C
ST	+18°C to +38°C
T	+18°C to +43°C

- The refrigerant circuit has been tested for leaks.
- When installed, this appliance corresponds to the relevant safety provisions and EC directives 73/23/EEC and 89/336/EEC.

You are advised to clean the appliance before switching it on for the first time (see "Cleaning").
Switch on the appliance several hours before loading it with frozen food for the first time. Do not load with frozen food until the temperature shows approx. -18°C.

Switching the appliance on and off

- Fig. **A1**: **Pressing the main on/off switch ③ always switches the *entire* appliance, both the refrigerator *and* the freezer compartment, *on* or *off*.**

- **Switching on:** Press the on/off buttons ③ or ⑨ so that the *temperature displays* ① and ⑦ *light up* or flash.

- The *freezer compartment* is switched on when the *temperature display* ① *is on*.
- The alarm will sound when the appliance is switched on for the first time and when the appliance is "warm".
- Press the **alarm off button** ⑤ to switch it off. See the "Audible warning signal" for more information.

- The *refrigerator compartment* is switched on when the *temperature display* ⑦ *is on* and the interior light is operational.

- **Switching off:** Switch off the *entire* appliance with the main on/off switch ③ so that the temperature displays *go out*.

Note:
- If you only want to **switch off the refrigerator compartment** (keeping the freezer compartment switched on; useful when you go on holiday, for example), press the **on/off switch** ⑨. The *refrigerator* temperature display ⑦ and the interior light will go out. The *freezer* temperature display ① *must remain on*.

Setting the temperature

Fig. **A1**: The appliance is pre-set for normal operation. We recommend temperatures of +5°C in the refrigerator and -18°C in the freezer.

▼ **To reduce the temperature:**
Press the *bottom* button;
⑧ on left for refrigerator and ② on right for freezer.

▲ **To increase the temperature:**
Press the *top* button.

- While you are entering the temperature, the **set temperature will flash** on the display.
- When you press the temperature setting buttons for the first time, the *most recent setting* (known as the "*reference setting*") is displayed.
- You can change the settings in increments of 1°C by briefly pressing the buttons again. If the buttons are held down the temperature setting will change faster.
- Approximately 5 seconds after the button has been released, the display will automatically show the *actual* freezing or cooling temperature (known as the "*actual setting*").
- You can change the temperatures
  in the refrigerator: between 11°C and 2°C and
  in the freezer: between -16°C and -26°C.
  Whether you can obtain the lowest temperature depends on where the appliance is positioned (if it is located in an area with a high ambient temperature it will not reach the lowest temperature).

Child-proof lock

Fig. **A1**: The child-proof lock is designed to protect the appliance from being switched off accidentally.
- **Switching on the child-proof lock:** Hold down the audible warning on/off button ⑤ and then press the Super-Frost button ④, and keep both buttons pressed simultaneously for approx. 3 seconds.
- A double beep confirms your entry.
- *The child-proof lock display* ⑥ *will come on*.
- **Switching off:** Press this key combination again; the display ⑥ will now go out.

Operation and control elements

Temperature display

Fig. **A1**: In normal operation, the following settings will be displayed:

- the *average refrigerator temperature* in display ⑦ and
- the *warmest frozen food temperature* in display ① .

When starting up for the first time or when the appliance is warm,
- *dashes* will appear until the temperature reaches a level that can be displayed (19°C to 0°C in the refrigerator and below 0°C in the freezer).
- It will take between 3 and 8 hours for the required temperature (e.g. 5 or -18°C) to be reached and displayed permanently in the display, depending on the ambient conditions and the temperature setting.

The display will *flash*:
- if you change the temperature or
- if the temperature rises by several degrees, indicating cold loss, e.g. if you place fresh, "warm" food in the freezer or if you remove or re-pack frozen food the temperature may rise for a short time due to warm air flowing into the freezer. Once you have finished loading or re-packing, the electronics will automatically re-set the temperature to the most recent setting. Short-term rises in temperature will not affect the frozen food.
- If "F0" to "F5" appears in the display, the appliance has a fault. Consult the customer service department indicating the fault number displayed as this will tell the technician what kind of irregularity has occurred.

Display brightness

Your appliance is delivered with the display brightness set to low. When the door is opened or the temperature settings changed, the display automatically switches to bright for one minute, or as long as the alarm state lasts.
You can change the brightness if required, fig. **A1**:
- **To make display brighter:** Keep the audible warning on/off button pressed and press top button ② (increase temperature in freezer) simultaneously.
- **To make display darker:** Keep the audible warning on/off button pressed and press bottom button ② (reduce temperature in freezer) simultaneously.

Audible warning signal

Abb. **A1**: The audible warning signal helps to protect frozen food and to save energy.
- **The audible warning device is switched off** by pressing the audible warning on/off button ⑤ .
- It switches off automatically as soon as the temperature is low enough or
- the door is closed.

Audible door alarm - for refrigerator and freezer compartments
- This sounds when the door has been left open for longer than about 60 seconds.
  The sound switch-off function is active as long as the door is left open. The alarm automatically switches back to standby when the door is shut.

Audible/visual temperature alarm - for the freezer compartment
- It always sounds if the freezer temperature is not low enough (dependent on the temperature setting).
- The *temperature display flashes* at the same time.

This can be caused by:
- warm, fresh food being placed in the freezer,
- too much warm air from the outside entering when re-arranging or removing frozen food.

The temperature display will continue to *flash* until the cause of the alarm has been rectified. It will then stop flashing and light up continually. The audible warning signal is now automatically *reset*.

Power failure/FrostControl display

If nA appears in the display, this means that the freezer temperature has risen too *high* during the last few hours or days due to a power failure.

Once the power is re-instated, the appliance will continue to operate at the most recent temperature setting.

- If you press the audible warning on/off button ⑤ whilst the display is reading nA, the *highest* temperature registered during the power failure will be displayed.
  Check the quality of the food and its suitability for consumption in case it has become too warm or even defrosted.

  The highest temperature will appear for approx. 1 minute. After that, the actual temperature in the freezer will reappear. The display can be switched off by repeatedly pressing the audible warning on/off button.

SuperCooling

Fig. **A1/**⑩: The SuperCooling button switches the refrigerator compartment to maximum cooling.
It is recommended particularly if you wish to cool *large* quantities of food, drinks, freshly baked cakes or meals rapidly.
- **Switching on:** Press the SuperCooling button ⑩ briefly so that the LED comes on.
- The refrigerator temperature will drop to its lowest value (dependent on the room temperature).

Note:
The SuperCooling function uses slightly more energy. After approx. 6 hours, however, the refrigerator switches back *automatically* to normal energy-saving operation.
If required, the SuperCooling function can be switched off sooner.

- **Switching off:** Press the SuperCooling button again so that the LED goes out.

Cooling with fan*

Fig. **A/**⑪: This generates relatively even temperatures on all of the shelves; all food will be chilled to the same temperature, which you can select. The forced air circulation eliminates the different temperature areas present in normal operation.
As a rule this is recommended:
- in high room temperatures (approx. 30°C or higher) and
- if the air humidity is high, e.g. during the summer.
- **Switching on/off:** Press fan switch ⑪.
  = on, 0 = off.

Note:
- The energy consumption will increase when the fan is switched on.
- To save energy, the fan will switch off automatically when the door is open.

Refrigerator compartment

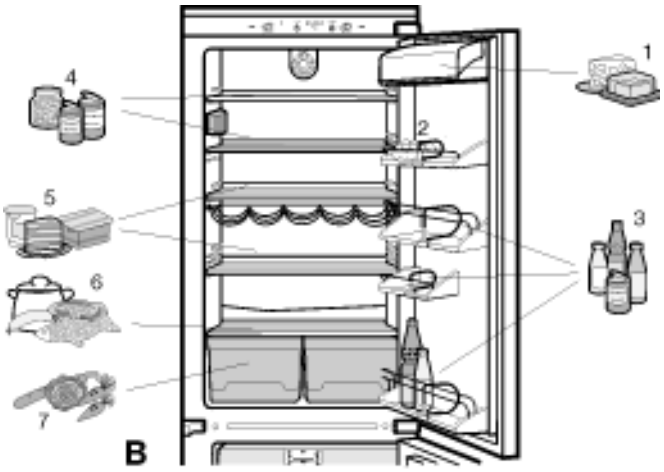
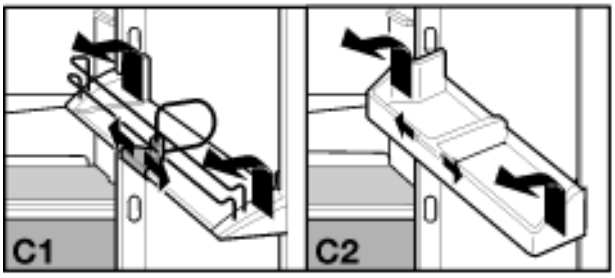
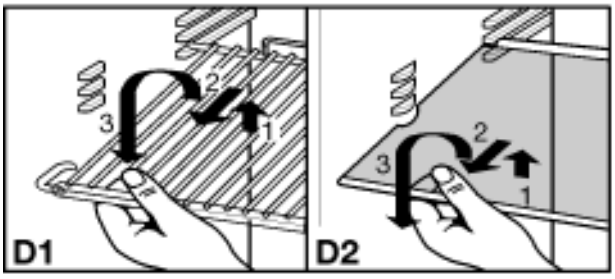
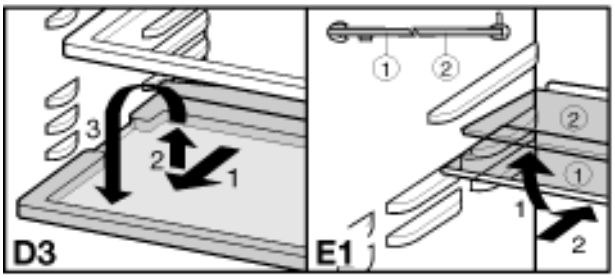
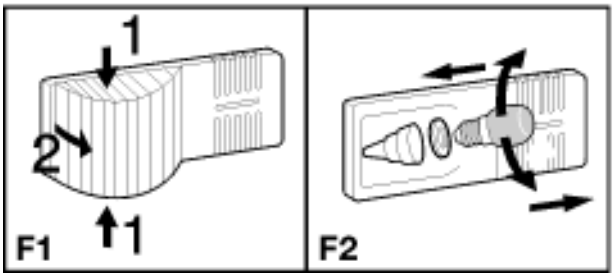


Fig. **B**, Example of food arrangement
1 butter, cheese
2 eggs
3 cans, drinks, bottles
4 preserves
5 dairy products, baked goods, drinks
6 raw meat, cold meats, fish, pre-cooked meals
7 fruit, vegetables, salad









Cooling in normal operation

As a result of the natural circulation of the air in normal operation (fan switched off), the temperature in the refrigerator compartment is not uniform. This can have advantages for storing different types of food.

- Just above the vegetable bins and at the back of the refrigerator, the air is colder, ideal for raw meat or cold meats.
- At the top front of the compartment and in the door, the air is warmer, making it ideal for cheese and for spreadable butter. For this reason food should be stored as shown in the "Example of food arrangement", fig. **B**.

Notes on cooling

- Store food so that the air can circulate freely and ensure that the food is not packed too closely together. *Do not* cover the fan slits* at the back, otherwise the refrigerating capacity will be impaired!
- Always store food in closed containers or wrapped; high-percentage alcohols should be tightly sealed and stored upright.
- Reusable plastic, metal, aluminium and glass containers or cling-film can be used for wrapping.
- Always store food which gives off or is sensitive to ethylene gases such as fruit, vegetables and salads separately or wrapped in order not to affect their storage life; e.g. do not store tomatoes together with kiwis or cabbage.

Changing shelf arrangement

- You can change the position of the **jar rack*** and remove all door racks for cleaning, figs. **C1/2**: Slide the door rack up and pull out towards you.
- By adjusting the **bottle/can holder** you can protect the bottles from falling over when the door is opened and closed. If your appliance has the equipment illustrated in fig. **C1**, always hold by the plastic handle.
- The holder can be removed for cleaning:
- If your appliance has the equipment illustrated in fig. C1: slide the bottom edge of the holder up and lever out.
- If your appliance has the equipment illustrated in fig. C2: slide the front edge of the holder up and lever out.
- **Shelves*** (grids or glass shelves) can be adjusted in height for different height items. Remove shelves as illustrated in figs. **D1-3**.
- Always insert shelves with the guard bar at the back pointing upwards, otherwise food may freeze onto the rear wall.
- The glass shelves* are fitted with stops to prevent them being pulled out accidentally, fig. **D2**.
- If you require space for large bottles and containers,
- lift the *front half* of the split glass shelf* and carefully slide it under the back half until the stops* click into the recesses, fig. **E1**, or
- remove half* a shelf.

Interior light

This switches off automatically after the door has been opened for approx. 15 minutes. If it does not switch on when the door is opened briefly, but the temperature display is working, the bulb may be defective.

Replacing the bulb:

- **Bulb data:** max. 25 W; current and voltage must agree with the details on the type plate. Only use bulbs of the same size.
- Switch off the appliance. **Disconnect from the mains or remove or unscrew the fuse.**
- Press the light cover together at the sides as in fig. **F1** (1). Lift it out and unclip at back (2).
- Replace the bulb as in fig. **F2**. To counteract the friction seal, turn with slightly more pressure. When inserting, ensure that the seal is properly in place in the lamp socket.
- Clip the back end of the cover in and clip the sides into place.

***** Depending on model and options

Freezer compartment

SuperFrost

Fresh food should be frozen to the core as rapidly as possible. Frozen food can also be given a cold boost. This is provided by the SuperFrost facility and ensures that the nutritional value, appearance and flavour of the food remain intact.

- The maximum amount of food which can be frozen in 24 hours is shown on the type plate ("Freezing capacity ... kg/24h"), fig. **A2**, pos. ④ . This amount varies according to the model and climate rating.

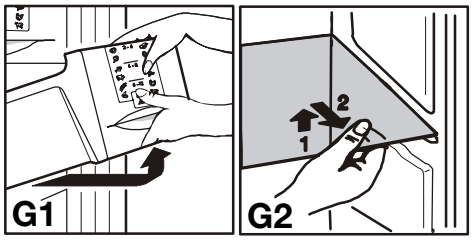
Freezing with SuperFrost

- Press the SuperFrost button ④ briefly so that the LED lights up.
  The freezer temperature will decrease and the appliance will switch to the lowest temperature.
- For small amounts of frozen food, it is normally sufficient to switch on SuperFrost 6 hours beforehand. For the *maximum* amount (see freezing capacity on the type plate) you will need to switch it on 24 hours beforehand.
- Then place the fresh food inside the freezer, preferably in the top drawers.
- The SuperFrost function switches off **automatically**. Depending on the quantity of food placed in the freezer, this will normally be between 30 and max. 60 hours. The freezing process is now complete, the **SuperFrost LED will go out**, and the freezer will switch back to normal energy-saving operation.

Note: You should *not* switch on the SuperFrost function:
- when placing frozen food in the freezer;
- when freezing up to approx. 2 kg fresh food daily.

Notes on freezing and storage

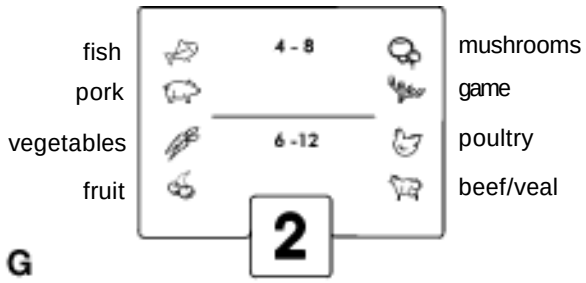
- **Items suitable for freezing:** meat, game, poultry, fresh fish, vegetables, fruit, dairy products, bread, baked goods, pre-cooked meals.
  Not suitable: lettuce, radishes, grapes, whole apples and pears, fatty meat.
- **Pack frozen food** in standard freezer bags or re-usable plastic, metal or aluminium containers.
- Do not allow fresh food which is to be frozen to come into contact with food already frozen. Always keep packs dry in order to avoid them sticking together.
- Always write the date and contents on the pack and do not exceed the stated storage time for the food. This prevents any risk of quality impairment.
- Pack food which you are freezing yourself in quantities appropriate to your household. To ensure that the food freezes right through quickly, the following quantities should not be exceeded per package:
- fruit, vegetables: up to 1 kg;
- meat: up to 2.5 kg.
- Blanch **vegetables** after washing and cutting them. (Add to boiling water for 2-3 minutes, remove and quickly cool down in cold water. If you blanch with a steamer or microwave oven, please observe the relevant operating instructions.)
- Do not salt or season fresh food or blanched vegetables before freezing. Only lightly salt and season other food. Some spices can alter their flavour intensity.
- Do not freeze bottles and cans which contain carbonated drinks as they might burst. Drinks can be cooled down quickly, but take the bottles out of the freezer compartment after an hour at the most.
- **Storage:** Each drawer and shelf can take **up to 25 kg** frozen food.
- By removing the 2nd and 3rd drawers and the shelf you can create a double-height space for big items of frozen food. This enables you to freeze such things as poultry, big pieces of meat or large cakes without first having to cut them up, so they can be served "whole" afterwards.
- If you want to use the maximum net capacity, you can remove the drawers and store items directly on the shelves.
- *Always* leave the bottom drawer in the appliance.
- If you have removed the top drawer, *do not* cover the fan slits at the back, otherwise the freezer will not work properly.
- **Removing drawers**, fig. **G1**: Pull forward until the drawer stops and lift out.



- **Removing the shelf**, fig. **G2**: Remove the 2nd and 3rd drawers. Lift the front edge of the shelf up and pull it out. To insert: simply slide shelf in and allow the front edge to click into place.
- Always store identical food items together to avoid the door being open for unnecessarily long periods and to save energy.
- Do not exceed storage times given.

- **Thawing:** Only take out as much food as is immediately required for thawing. Cook food which has been thawed as quickly as possible.
  Frozen food can be thawed in the following ways:
- in a conventional or fan oven
- in a microwave oven
- at room temperature
- in the refrigerator: the cold given off by the frozen food is used for cooling the other food.
- Flat portions of meat or fish can be cooked when partially thawed.
- Vegetables can be cooked from frozen (in half the normal time).

Freezer compartment

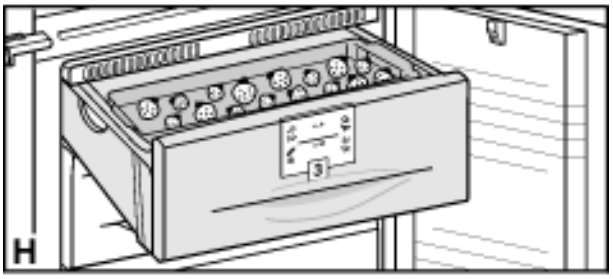


G

Information system*

Use frozen food within the recommended period.
The numbers between the symbols in fig. **G** indicate the storage period in months for different kinds of frozen foods.
Storage times given are guide times for food frozen at home.
Whether or not the lower or upper value is applicable depends on the food quality and how it was processed prior to freezing.
The lower values always apply to food with a high fat content.
Further recommended storage periods:

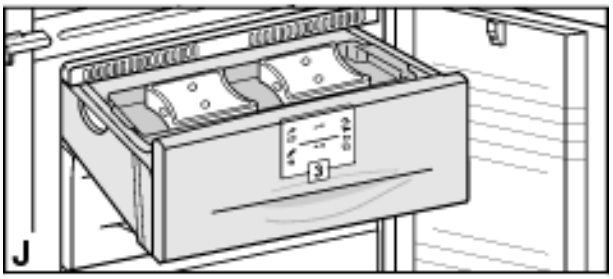
Lamb	6	to	12	months
Rabbit	4	to	8	months
Cold meats, ham	2	to	4	months
Ready meals	2	to	4	months
Cheese, bread, baked goods	2	to	6	months
Yeast pastries	1	to	5	months
Ice-cream	2	to	3	months


H

Freezer tray*

This is used for gently freezing berries, herbs, vegetables and other small items and prevents them from sticking together. Items being frozen will largely retain their shape, and it will be easier to remove exactly the right quantity later on.

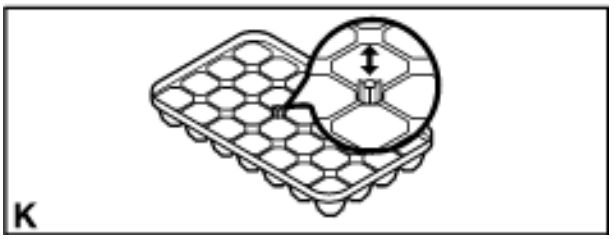
- Spread the items out loosely on the tray, fig. **H**.
- Suspend the freezer tray in the top drawer. Freeze for 10 to 12 hours, then transfer to a freezer bag or container and put in a drawer.
- To defrost, spread the frozen items out loosely.


J

Cold-storage accumulators*

These prevent the temperature in the freezer from rising too quickly in the event of a power failure, thus preserving the quality of the food.

- To save space, you can freeze and store the cold-storage accumulators in the freezer tray, fig. **J**.
- To ensure maximum storage time in the event of a power failure, place the *frozen* cold-storage accumulators in the top freezer drawer on top of the food.


K

Making ice-cubes

- Press the locking bolt downwards.
- Fill the ice-cube tray with water. Surplus water will flow through the drain hole.
- Push the locking bolt upwards.
- Place the ice-cube tray in the appliance and leave it to freeze.
- The ice-cubes can be removed from the tray by twisting or by holding upside down for a short time under running water.

* Depending on model and options

Defrosting, cleaning

Notes on defrosting

The NoFrost system **automatically** defrosts the appliance.

In the refrigerator compartment

The water that forms on the rear wall drains into an evaporation container at the back of the appliance and evaporates automatically through the compressor heat. Droplets of water on the rear wall are completely normal.

- Ensure that the defrost water can flow freely through the drain hole in the rear wall (arrow in fig. **A**).

In the freezer compartment

Any moisture arising collects on the evaporator and freezes, and is periodically defrosted and evaporated.
The automatic defrosting system keeps the freezer frost-free and eliminates the time and effort spent on defrosting manually.

Cleaning

- **Before cleaning, always switch off the appliance. Disconnect from the mains or unscrew or switch off the fuse.**
- Clean the inside and equipment by hand with lukewarm water and a little detergent. Because of the risk of injury and damage to the appliance, steam cleaning equipment should not be used. Never use abrasive or scouring sponges. Do not use concentrated cleaning agents and never use abrasive or acid cleaners or chemical solvents.
- We recommend using a soft cloth and an all-purpose cleaner with a neutral pH value.
- Do not allow cleaning water to run down the drain gulley or to penetrate the ventilation grilles or electrical components. Dry the appliance.
- Do not damage or remove the type plate on the inside of the appliance. It is very important for servicing purposes.
- The butter dish can be washed in a dishwasher. The racks, shelves and other components should be cleaned by hand as they are not dishwasher-safe.
- The shelves and door racks can be dismantled for cleaning. Remove all protective film from the decorative trims.
- Clean the **drain hole** on the rear wall above the vegetable bins frequently, fig. **A**, arrow. **If necessary, clean with a thin object, e.g. a cotton swab or similar**.
- The ventilation grilles should be cleaned regularly with a brush or vacuum cleaner. Dust deposits increase energy consumption.
- Then connect/switch on the appliance and start to insert the food to be frozen as the temperature drops.

If the appliance is to be **left switched off for any length of time**, empty the appliance, disconnect from the mains, clean as described above and leave the door open so as to avoid odours.

Troubleshooting

Your appliance is designed and manufactured for a long life span and reliable operation.
If a malfunction nonetheless occurs during operation, check whether it is due to an operating error. Please note that even during the warranty period the resultant servicing costs in this case will have to be borne by the owner.
You may be able to rectify the following faults by checking the possible causes yourself:

Malfunction **Possible cause and remedy**

Appliance does not work, display is off
- Is the appliance switched on properly?
- Is the mains plug properly inserted in the socket?
- Is the socket fuse intact?

The interior light does not come on
- Is the refrigerator compartment switched on?
- Has the door been open for more than 15 minutes?
- The bulb is defective. Change the bulb as described in "Interior light".

Loud running noise
- Is the appliance standing firmly on the floor, or does the compressor cause nearby items of furniture or objects to vibrate?
  If necessary, move bottles and containers apart.
- *Burbling noises* are normal. These are caused by the refrigerant flowing round the refrigerant circuit.
  A short *clicking sound*: This will be heard whenever the refrigeration unit (the motor) switches on or off automatically.
  Motor noise: This will be slightly louder for a brief period when the refrigeration unit switches on. The refrigerating capacity will increase when the SuperFrost function is activated, fresh food has just been placed in the appliance or the door has been left open for a while. A low-pitched humming sound is caused by *air flow noises* in the fan.

The alarm sounds, the temperature is not cold enough
- Have you put too much fresh food into the freezer *without* activating SuperFrost? (See "SuperFrost")
- Does the door close properly?
- Is the appliance sufficiently well ventilated?
  Clear ventilation grilles if necessary.
- Is the ambient temperature too hot? (See "Safety regulations")
- Has the appliance been opened too often or left open too long?
- If applicable, wait until the appliance reaches the required temperature itself.

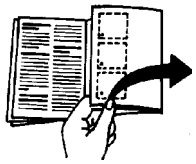
nR appears in the display
- There has been a power failure; proceed as described in "Power failure/FrostControl display".

Customer service and type plate

If none of the above causes apply and you cannot rectify the fault yourself, or if the temperature display reads "**F0**" to "**F5**", this means that there is a fault. Please contact your nearest customer service department (see enclosed list for addresses).
Give the **fault number displayed**, together with the
type designation ① ,
service number ② and
appliance number ③

as given on the type plate, fig. **A2**, so as to ensure rapid, accurate servicing. The type plate is located inside the appliance on the left-hand side.
Leave the appliance shut until the customer service engineer arrives so as to prevent any further cold loss.

Installation instructions



Before reading, please fold out and refer to the illustrated back page.

Changing over door hinges

Fig. **A**: The door hinges can be changed from one side to the other if need be. Otherwise continue from "Installation information".

- Lift off covers ① and ② towards you.
- Open attachment bracket ⑮ and unscrew. When installing into the kitchen unit, replace on the opposite side with the same screws ⑭.
- Press in the side of the hinge covers ③ with a sharp object and remove.
- Unscrew the outside screw ⑤ in the hinge halfway and remove the inside screw completely. This makes it easier to remove.
- Open the top door slightly, push the door and the hinge ④ outwards and remove simultaneously.
- Remove the hinge pin ⑦, pull out the bottom door and remove.
- Remove the plugs ⑨ with the tip of a knife.
- Transfer the hinge pin ⑧ to the other side.
- Remove the attachment bracket ⑩ and cover ⑬. To do this, press the cover together and tilt out at the bottom. Fit on the other side with the same screws ⑭ when fitting in the kitchen unit.
- Unscrew the central hinge ⑪, turn by 180° and screw in on the other side with the same screws ⑤. To make it easier to fit, screw in the outside screw halfway. Attach the hinge through the keyhole-shaped hole and slide inwards; screw tight with second screw.
- Place the bottom door on the hinge pin ⑧, close and insert the middle hinge pin ⑦.
- Do not forget the washers!
- Top: remove the outside screw ⑤ completely and screw in halfway on the other side.
- Replace the top door on the pin ⑦ and close.
- Place the top hinge ④ together with the pin ⑥ in the door mounting, tilt the door away slightly and suspend the hinge on the screw you have just inserted ⑤, slide inwards and tighten with the second screw.
- Check that the doors are flush and align if necessary.
- Tighten all screws.

Installation information

- Fig. **B**: Align the kitchen unit with a spirit level and an angle. If necessary, place something underneath to make level. The floor and side wall of the unit must be at right angles to one another.
- Fit the refrigerator/freezer in stable kitchen units only.
- The following ventilation dimensions must be observed:
- There must be a ventilation shaft at the back of the unit at least 38 mm deep.
- There must be a ventilation space of at least 200 cm^2 in the plinth and at the top of the unit.
- Check the installation dimensions according to fig. **B**.
  The position of the joint between the unit doors must be level with the position of the joint between the appliance doors.

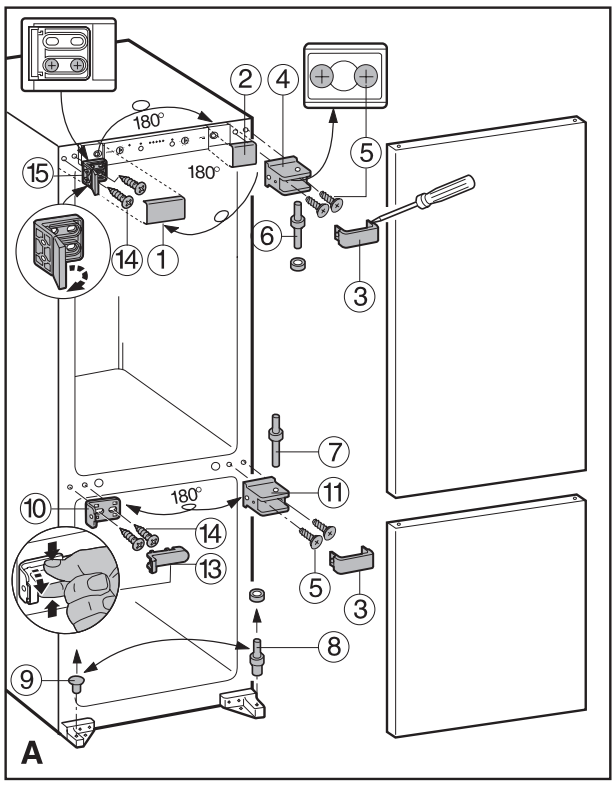
Installing into a kitchen unit

- Figs. **C-E**: All attachment components are provided.
- Fig. **D**: Insert the equaliser trim ⑳ in the slot so that it is *flush on the handle side* and screw to the appliance with collar screws ㉑.
- Position the mains cable in such a way that the appliance can be easily connected once it has been installed, using a piece of string if necessary.
- Replace attachment bracket ⑮ with the same screws (if not yet fitted).
- Slide the appliance into the recess.
- Make sure it makes contact with the handle side.
- Bottom: align the front edge of the hinges *flush* with the units.
- Top: align the front edge of the *open* attachment bracket ⑮ *flush* with the surrounding units. The distance between the front edge of the unit and the appliance housing must be **43 mm**, see fig. **D3**.
- Screw the appliance into the unit:
- through the hinges and spacers *on the hinge side* with long screws. To make it easier to screw in, remove cover ② (if you have not already done so).
  For 19 mm unit wall:
  use screws ㉔ 5 x 75 and
  small spacer ㉓.
  For 16 mm unit wall:
  use screws ㉗ 5 x 80 and
  large spacer ㉖.
- Screw through the hinges ⑫ *on the floor*.
- If you have not already done so, remove the cover ⑬ and attachment bracket ⑩ to attach the sealing strip, fig. **D2/A**.
- Shorten the sealing strip ㉕ to the height of the recess and use it to close the gap between the appliance and the unit wall on the handle side: press into the gap.
- *On handle side*: Screw in appliance: allow the attachment bracket ⑮ to make contact with the unit wall and screw into place with screw ㉒. Click cover into place.
- Replace the attachment bracket ⑩: Make sure the bracket makes contact with the wall of the unit and screw in with screw ㉒, fig. **D2**. Attach cover ⑬.
- Top: align the equaliser trim ⑳ *parallel* along the underneath of the top edge of the unit (it must not project), fig. **D1**.
- Replace all covers and plugs.

Fitting the unit door

- Fig. **E**: Depending on the height of the handle and whether the door is divided or not, screw the door connecting elements ㉘ into the pre-drilled holes with screws ㉙.
- With the door wide open, insert the connection rails ㉚ and screw onto the unit door with screws ㉒. Note distance **d** to the outer edge of the unit door:
  d = thickness of unit wall + 3 mm.
- Adjust the door connecting element ㉘ so that the unit door does not make contact with the unit wall on the handle side when the door is closed. Make sure there is a gap of **at least 1 mm**.
- Fit another door connector if necessary.
- Close any open holes in the appliance door with plugs ㉛.

All types and models are subject to continuous improvement and the manufacturer therefore reserves the right to make modifications in the shape, equipment and technology.


180°
180°
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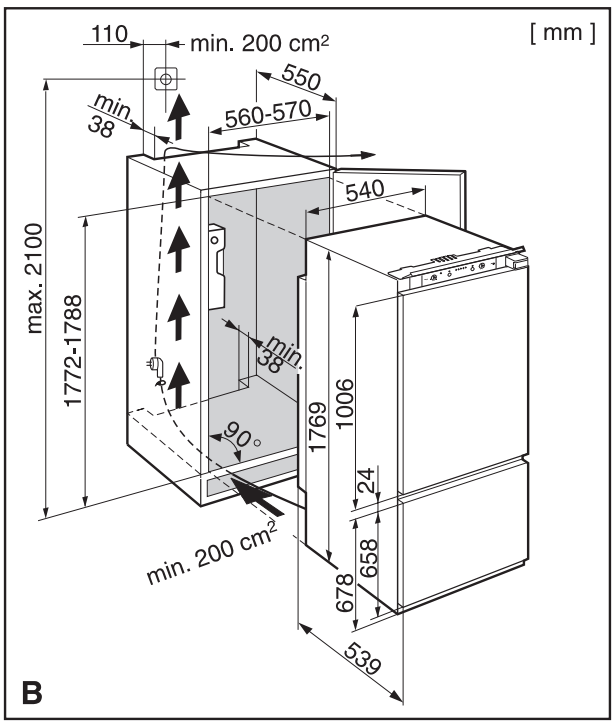
A


[mm]
110
min. 200 cm²
550
560-570
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540
max. 2100
1772-1788
min. 38
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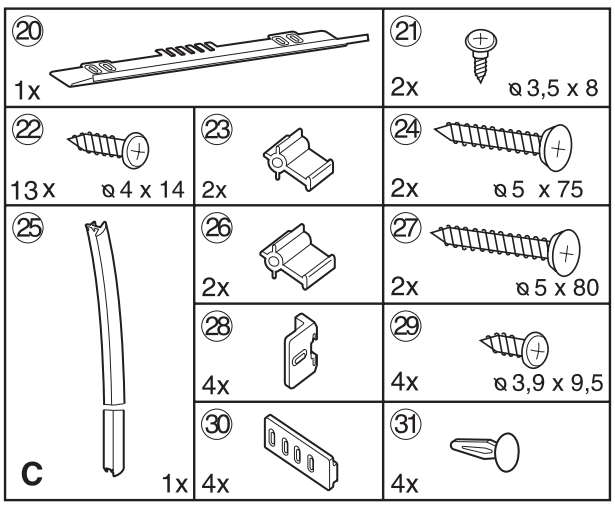
1006
24
658
678
539
min. 200 cm²
B


20
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23
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⌀5 x 75
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26
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28
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29
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⌀3,9 x 9,5
30
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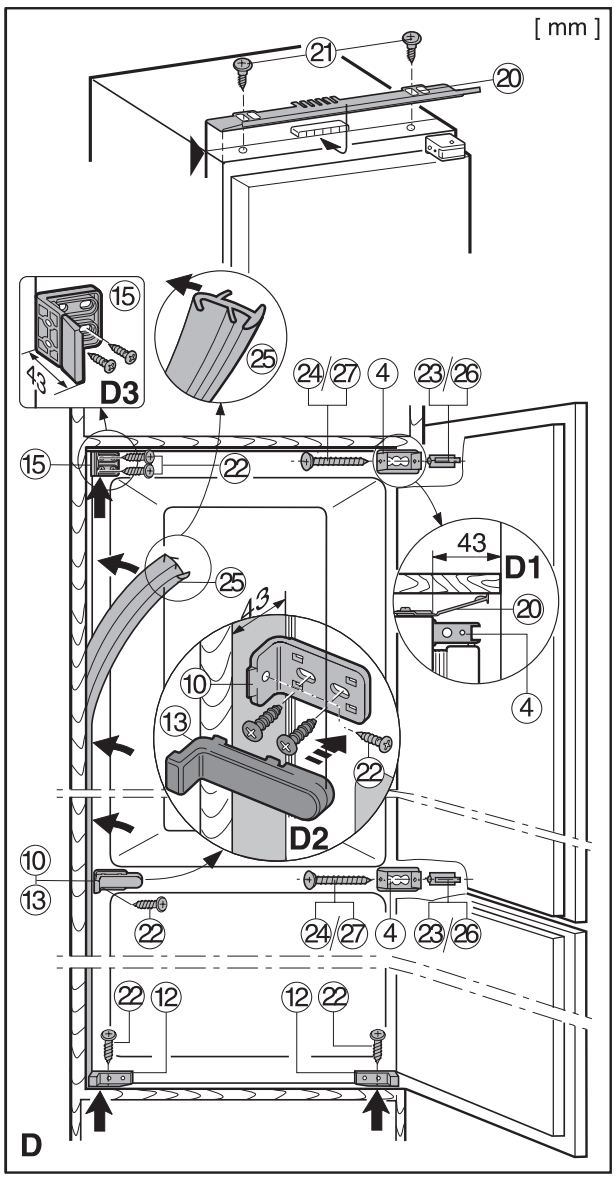
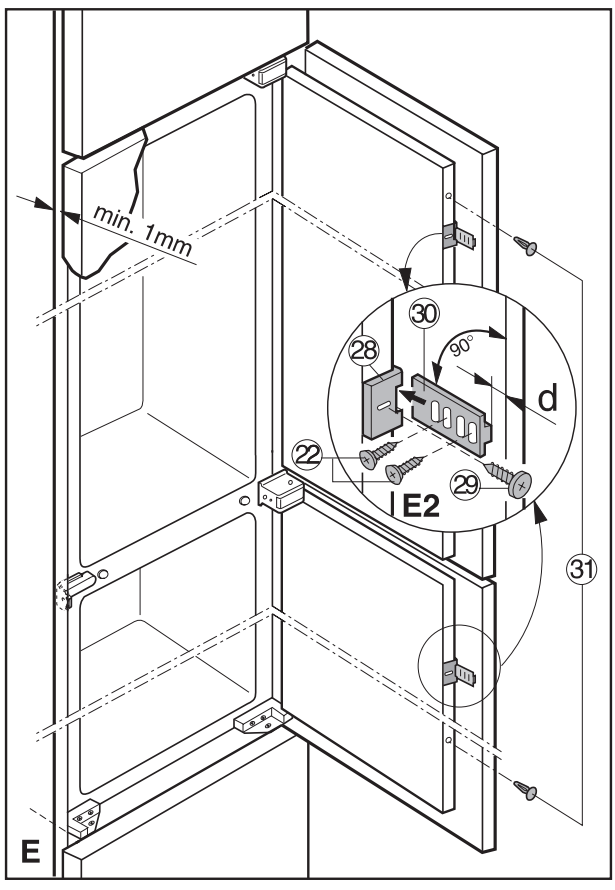
31
4x


[mm]
D3
D1
D2
D


min. 1mm
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d
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E